

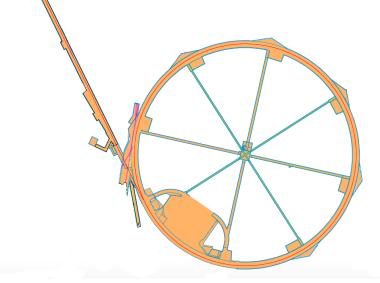
# **YETS 2017-2018** PS + PS SWY + TT2

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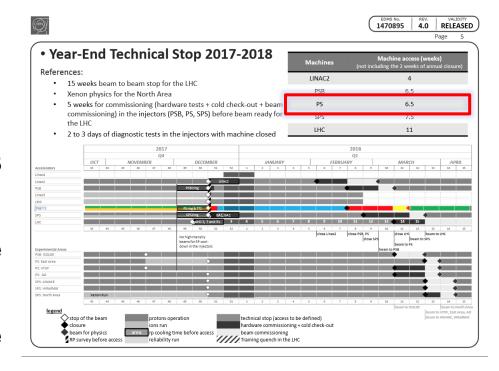






### Schedule challenges

- Regular maintenance
- De-cabling of B.353, B.359, B.368 and PS Central Ring
- Dismantling the ATP line before the Xmas break
- Replacement of 15 magnets in the TT2 line
- Installation of the new GSM cable in the PS ring and TT2
- Installation of 5 new power converters in B.355 and cabling up to the RF cavities



- Installation of new Beam Instrumentation
- Get the machine ready for hardware commissioning by the 19<sup>th</sup> February 2018





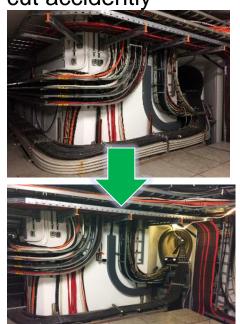


#### **De-cabling**

- 185 Km (4313 cables) of cables removed from the 8<sup>th</sup> of January to the 12<sup>th</sup> of February 2018
- Lockout removed the 12<sup>th</sup> of February 2018 thanks to the big effort of the teams involved

Around 10 cables detected as cut accidently















## **ATP dismantling**

ECR 1885947







**Before** 

## **PS** ring

- New SEMGrid in SS52 (ECR 1728236)
- New Wire Scanner in SS54 (ECR 1821271)
- New cooling connection to the BGI82
- Installation of the 80MHz Fast Tuner prototype
- New GSM cable (ECR 1705458)
- New optic fiber sensing system (ECR 1843997)
- Exchange of Septum 23, 42 and 16, and respective bake-out
- Alignment of MU73 (request from OP)
- Repair water infiltration found by OP before iTS3
- Installation of the new BTV in MU41 (ECR 1856073)
- Installation of the mini-racks needed for the WIC system
- Repair the electronics of KFA79
- Installation and test of a new PLC based interlock system for the 20MHz RF cavities





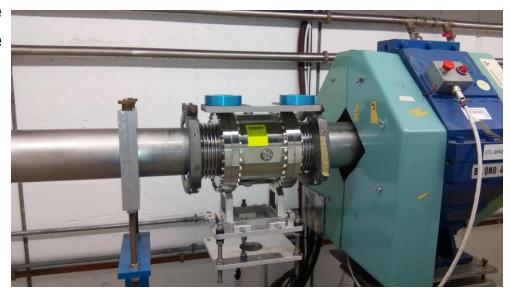




#### **Switch Yard**

- New LEIR dump (ECR 1746660)
- 5 new BPMs in the ETL line (ECR 1829177)
- Test the interference of the ITE.QDN04 magnet in the BPM ITE.BPM02
- Installation of a new pressure measurement in the ITE line (ECR 1887525)











#### **Surface**

- Installation of 5 new power converters in B.355 for the 40 and 80 MHz RF cavities (ECR 1839213)
  - Some delays were observed, and the 6<sup>th</sup> power converter (spare) is still under installation
- Removal of a old ventilation duct damaged by the wind
- Replacement of almost all racks used for the PSC02 RF cavity, installation and test of PLC interlock system













#### TT2

- Replacement of 15 magnets
  - F16.QDN210
  - F16.QDN215
  - F16.QDN220
  - F16.QDN230
  - F16.QDN240
  - F16.QDN250
  - F16.QDN260
  - F16.QDN270
  - F16.QDN280
  - F16.QDN310
  - F16.QDN320
  - F16.QDN330
  - F16.QDN350
  - F16.QDN370
  - F16.QDE380
- Replacement of 15 water valves
- Installation of the new GSM cable (ECR 1706376)
- Repair and re-installation of the SEM Grids F16.BSF277 and F16.MSF258











# ALL THIS WORK WAS ONLY POSSIBLE THANKS TO THE EFFORT OF ALL PS TEAMS

# THANKS TO ALL PS TEAMS FOR THE EXCELLENT WORK!





20.02.2018





